Datasheet for ABIN1692161

POLD2 Protein (AA 1-469) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	POLD2
Protein Characteristics:	AA 1-469
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLD2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DNA Polymerase δ Subunit 2/POLD2 (C-6His)
Sequence:	MFSEQAAQRA HTLLSPPSAN NATFARVPVA TYTNSSQPFR LGERSFSRQY AHIYATRLIQ MRPFLENRAQ QHWGSGVGVK KLCELQPEEK CCVVGTLFKA MPLQPSILRE VSEEHNLLPQ PPRSKYIHPD DELVLEDELQ RIKLKGTIDV SKLVTGTVLA VFGSVRDDGK FLVEDYCFAD LAPQKPAPPL DTDRFVLLVS GLGLGGGGGE SLLGTQLLVD VVTGQLGDEG EQCSAAHVSR VILAGNLLSH STQSRDSINK AKYLTKKTQA ASVEAVKMLD EILLQLSASV PVDVMPGEFD PTNYTLPQQP LHPCMFPLAT AYSTLQLVTN PYQATIDGVR FLGTSGQNVS DIFRYSSMED HLEILEWTLR VRHISPTAPD TLGCYPFYKT DPFIFPECPH VYFCGNTPSF GSKIIRGPED QTVLLVTVPD FSATQTACLV NLRSLACQPI SFSGFGAEDD DLGGLGLGPL EHHHHHH
Characteristics:	Recombinant Human DNA Polymerase Delta Subunit 2/POLD2 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Pro469) of Human POLD2 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

 Copyright antibodies-online. All rights reserved.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	POLD2
Alternative Name:	POLD2 (POLD2 Products)
Sub Type:	Fusionprotein
Background:	DNA Polymerase Delta Subunit 2 (POLD2) belongs to the DNA polymerase delta/II small subunit family. POLD2 can form a heterotetramer composed of subunits of 125 kDa, 50 kDa, 66 kDa and 12 kDa. POLD2 possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. POLD2 is required for the stimulation of DNA polymerase delta activity by the processivity cofactor proliferating cell nuclear antigen (PCNA). Alternative Names: DNA Polymerase Delta Subunit 2, DNA Polymerase Delta Subunit p50, POLD2
Molecular Weight:	52.3 kDa
UniProt:	P49005
Pathways:	Telomere Maintenance, DNA Damage Repair, DNA Replication, Synthesis of DNA

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of PBS, 10 % Glycerol, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

Handling

	Please minimize freeze-thaw cycles.
Expiry Date:	6 months

 Copyright antibodies-online. All rights reserved.